

## BLAST REPORT

BLAST REPORT # WS-08☐ Sanders Construction, Inc.☒ Western States Drilling & Blasting, Inc.DATE: JULY 15, 2010EXACT TIME OF SHOT: 8:09 PMCUSTOMER: KLBJOB NO.: WS 21005SHOT LOCATION WITH GPS COORDINATES: Sta 1312+00 - 1315+00

TICKET NO.: \_\_\_\_\_

CHECK LIST COMPLETED: YES NO

TYPE OF ROCK: Basalt Boulder FACE HEIGHT: \_\_\_\_\_ FT. POUNDS PER DELAY: \_\_\_\_\_TOTAL HOLES: 43NUMBER OF HOLES: 43HOLE DIA: 1 3/4 B x S \_\_\_\_\_ x \_\_\_\_\_STEMMING: 1 1/2 - 3' DEPTH: 2' - 4'

NUMBER OF HOLES: \_\_\_\_\_

HOLE DIA: \_\_\_\_\_ B x S \_\_\_\_\_ x \_\_\_\_\_

STEMMING: \_\_\_\_\_ DEPTH: \_\_\_\_\_

POWDER FACTOR: NALBS. OF EXPLOSIVES: 66.5 STKSYARDS OF ROCK: 86 ± 2 1/4' BoulderWEATHER: Clear1 1/2 x 8"WIND: CalMEXACT MONITOR LOCATION(GPS): NA

DIRECTION OF BLAST: \_\_\_\_\_

MONITOR TYPE: \_\_\_\_\_

MONITOR: L/R \_\_\_\_\_ T \_\_\_\_\_ V \_\_\_\_\_

PVS \_\_\_\_\_ Db \_\_\_\_\_

MONITOR SERIAL NO.: \_\_\_\_\_

DISTANCE TO BLAST: \_\_\_\_\_

AVERAGE POUNDS PER HOLE: \_\_\_\_\_

OPERATOR: \_\_\_\_\_

EXACT MONITOR LOCATION(GPS): \_\_\_\_\_

DIRECTION OF BLAST: \_\_\_\_\_

MONITOR TYPE: \_\_\_\_\_

MONITOR: L/R \_\_\_\_\_ T \_\_\_\_\_ V \_\_\_\_\_

PVS \_\_\_\_\_ Db \_\_\_\_\_

MONITOR SERIAL NO.: \_\_\_\_\_

DISTANCE TO BLAST: \_\_\_\_\_

AVERAGE POUNDS PER HOLE: \_\_\_\_\_

OPERATOR: \_\_\_\_\_

## EXPLOSIVES

DESCRIPTION	QUANTITY USED	DATE CODE	MAGAZINE	REMOVED	RETURNED
LOCATION:					
BULK A/N	Lbs				
BAG ANFO	Bags				
POWDER <del>1.5 x 8 MF2</del> <u>68.5 ST</u>					
POWDER <u>1.5 x 8 MF2</u> <u>61.5</u> ea.		<u>0706 22</u>		<u>68.5 ST.</u>	<u>7 ST.</u>
lb. BOOSTER	ea.				
lb. BOOSTER	ea.				
<u>50' ft. HDM500</u> <u>38</u> ea.		<u>12FE01B4</u>			
<u>40' ft. HDM500</u> <u>23</u> ea.		<u>050C0934</u>			
<u>16' ft. MS 20</u> <u>20</u> ea.		<u>02ND0904</u>			
ft.	ea.				
ft.	ea.				
ft.	ea.				
ft.	ea.				
ft.	ms	ea.			
	ft.				
	ft.				
GRAIN CORD	ft.				
GRAIN CORD	ft.				
MISCELLANEOUS					
<u>LIL</u>	<u>1 RL</u>	<u>05AP1034</u>			

COMMENTS: BOULDERS ALL BROKE AS PLANNED. SOME  
ROCK ON I-90 EAST & WEST BOUND - NO TRAFFIC  
PROBLEMS.

BLASTER'S SIGNATURE: ChambersLICENSE NO.: U21262

Revised 03/04

ATTACH SKETCH OF SHOT

THIS FORM MUST BE FILLED OUT COMPLETELY

# Check List

Date July 15, 2010

Job Number \_\_\_\_\_

Shot Number WS-08

## 1. BEFORE BLASTING

### NOTIFICATION

- ☒ Fire Department
- ☒ Utilities
- ☒ Businesses & Home Owners
- ☒ Seismograph Tech
- ☐ Other (List)

### MATERIAL & EQUIPMENT

- ☒ Adequate Stemming Material
- ☒ Warning Signs
- ☒ Warning Signals
- ☒ Safe Amount of Lead Line
- ☒ Seismograph Paper, Pens, etc.
- ☒ Fire Extinguishers (charged)
- ☒ Adequate Blasting Shelter
- ☒ Mats (If Applicable)

### SHOT DESIGN

- ☒ Pattern OK for Area
- ☒ Sufficient Burden to Face
- ☒ Reviewed drill logs
- ☒ Measured Depth, Burden & Spacing
- ☒ Shot Area Posted & Secure
- ☒ Shot Diagramed on Back

## 2. DURING LOADING

### CONSTANT CHECKS

- ☒ Explosives
- ☒ Running Inventory
- ☒ Access Row Empty
- ☒ Drills & Traffic 50' Away
- ☒ Shot can be fired in case of emergency

All Holes to be checked & approved

☒ Blaster initial

☒ Supt initial

### 3. DETONATION

### HOOK - UP

- ☒ All Unnecessary Crew Cleared
- ☒ All Holes Loaded & Stemmed
- ☒ Hand Check tubing Before Each Connection
- ☒ Visually Insured That Each Connection is Snapped

### SECURE AREA

- ☒ Set up Seismograph
- ☒ Est. Checkpoints at Each Access
- ☒ Radio Communication with Checkpoints.
- ☒ Cleared People, Vehicles & Equipment
- ☒ Visual Coverage of Entire Site
- ☒ Five Minute Warning
- ☒ One Minute Warning

## 4. AFTER DETONATION

### POST BLAST CHECK

- ☒ Waited for Dust & Fumes to Dissipate
- ☒ Walked Entire Area of Shot
- ☒ Insured that tail Surface Delays Fired at the End of Each Row
- ☒ Sounded All Clear Signal

### LEGAL DOCUMENTATION

- ☒ Completed Shot Report
- ☒ Diagramed Shot w/ Seismograph Location (Direction & Distance)
- ☒ Recorded Seismic Results on Blast Report
- ☒ Final Inventory of Explosives Recorded
- ☒ Ticket Number Assigned By Job Supervisor
- ☒ Signed Blast Report w/ License No.

**Supt has checked and verified that all has been completed and shot area is ready for loading**

☒

Supt initial